

What is claimed is:

1. A method of accessing a group in a clustered computer system, wherein the clustered computer system includes a plurality of nodes, and wherein the group includes a plurality of members resident respectively on the plurality of nodes, the method comprising:

(a) receiving an access request on a first node in the plurality of nodes, wherein the access request identifies a cluster-private group name associated with the group; and

(b) processing the access request on the first node to initiate a group operation on at least a subset of the plurality of nodes that map to the cluster-private group name.

2. The method of claim 1, further comprising generating the access request with a user job resident on the first node.

3. The method of claim 2, further comprising forwarding the access request to a clustering infrastructure resident in the first node via a call from the user job.

4. The method of claim 1, further comprising:

(a) generating the access request with a user job resident on a second node in the plurality of nodes; and

(b) processing the access request with a proxy job resident on the second node by communicating the access request to the first node.

5. The method of claim 4, wherein the proxy job is a member of a cluster control group, the method further comprising:

(a) forwarding the access request from the user job to the proxy job;

and

(b) forwarding the access request from the proxy job to a clustering infrastructure resident in the second node via a call from the proxy job.

- private group name
- the plurality of

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1 22. The apparatus of claim 15, further comprising a group address data
2 structure configured to store a plurality of network addresses associated with the
3 cluster-private group name, wherein the program is configured to initiate the group
4 operation by accessing the group address data structure to retrieve the plurality of
5 network addresses and sending a message to each of the plurality of network
6 addresses.

1 23. The apparatus of claim 22, wherein the program comprises a clustering
2 infrastructure, and wherein the group address data structure is local to the clustering
3 infrastructure.

1 24. The method of claim 15, wherein the program is further configured to
2 process the access request by locally resolving on the first node a mapping between
3 the cluster-private group name and a plurality of addresses associated with at least the
4 subset of the plurality of nodes.

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1 25. A clustered computer system, comprising:

2 (a) a plurality of nodes coupled to one another over a network;

3 (b) a group including a plurality of members resident respectively on
4 the plurality of nodes; and

5 (c) a program resident in a first node among the plurality of nodes and
6 configured to access the group by receiving an access request that identifies a
7 cluster-private group name associated with the group, and processing the
8 access request to initiate a group operation on at least a subset of the plurality
9 of nodes that map to the cluster-private group name.

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1 26. A program product, comprising:

2 (a) a program resident in the memory and executed by a first node
3 among a plurality of nodes in a clustered computer system, the program
4 configured to access a group that includes a plurality of members resident
5 respectively on the plurality of nodes by receiving an access request that
6 identifies a cluster-private group name associated with the group, and
7 processing the access request to initiate a group operation on at least a subset
8 of the plurality of nodes that map to the cluster-private group name; and
9 (b) a signal bearing medium bearing the program.

1 27. The program product of claim 26, wherein the signal bearing medium
2 includes at least one of a transmission medium and a recordable medium.

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